

When Seconds Count

Proposed New Finn Hill Fire Station

Presented by
Kirkland Fire Chief Kevin Nalder

When Seconds Count

20 calls per day



7,200 calls in 2010

Nearly every hour of every day Kirkland Fire Department Firefighters/EMTs are called to help someone in an emergency

Station 25 was originally built in a rural area and many homes north and east of the station can not be reached within the National standard response times.



Budget constraints only allow station 24 to be staffed with the reserve firefighters in the evening and it requires career firefighters to respond with them from another station.



Consolidating stations 24 and 25 in a more strategic location will put service closer to more people in the Finn Hill area.

The average Kirkland fire station responds to 1200 calls per year. Combined, Stations 24 and 25 respond to 600 calls/per year.

When Seconds Count

The National standard is set by
fire and medical emergency experts



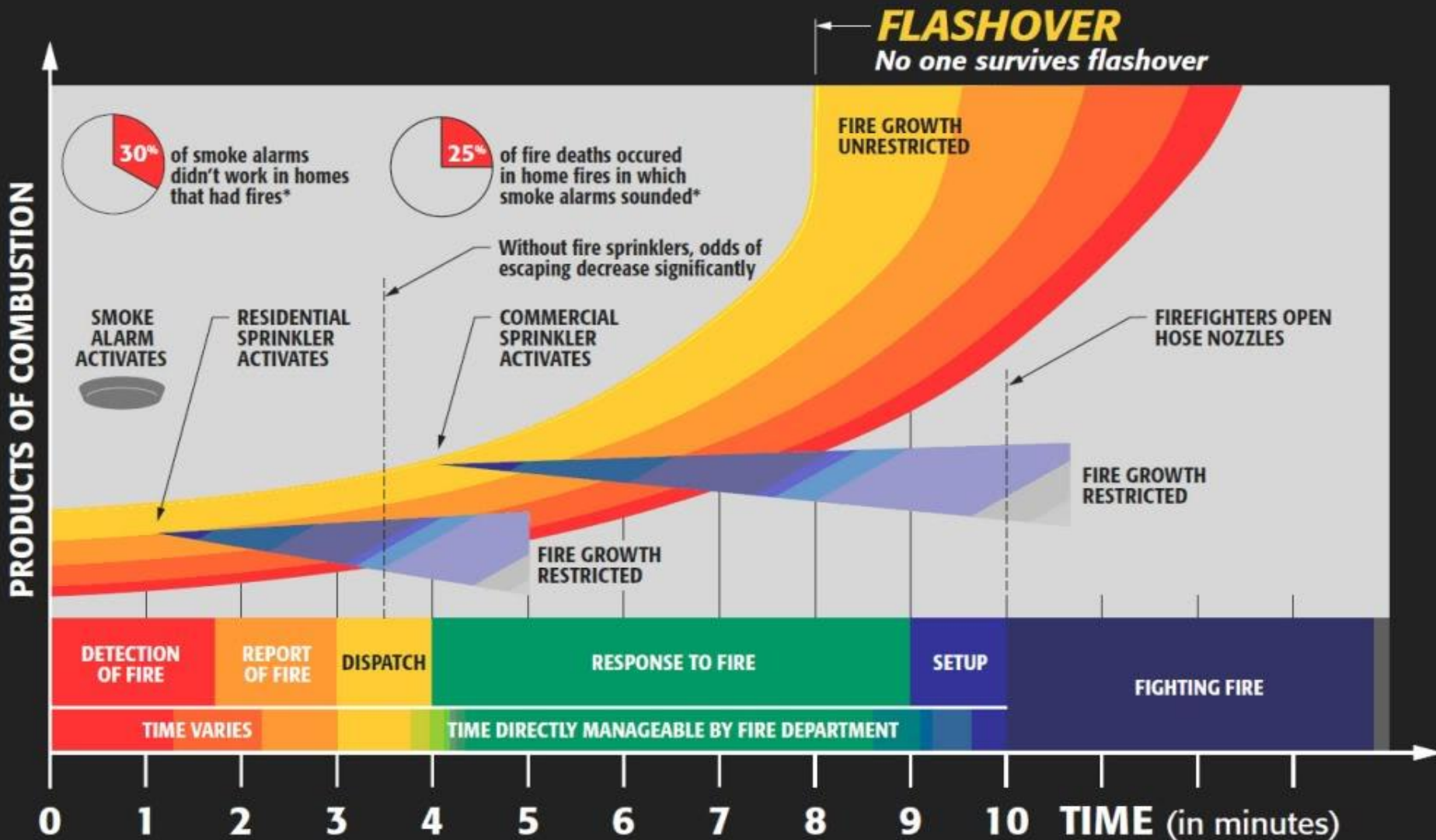
National Fire Protection Association Standard 1710

Kirkland standard:

- Fire 5.5 minutes
- Medical 5 minutes

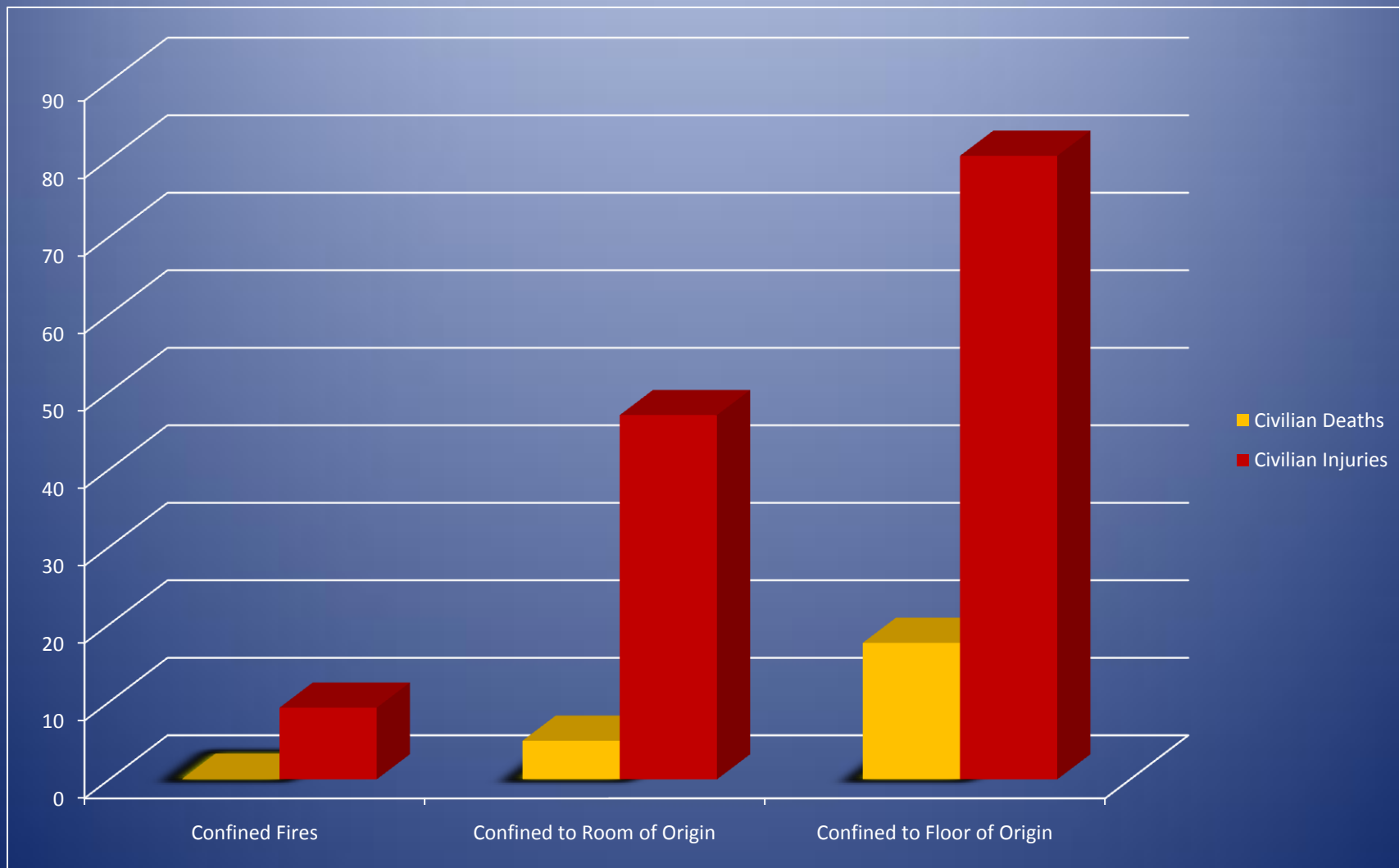
Kirkland Fire Department Strategic Plan

TIME vs. PRODUCTS of COMBUSTION



- Fire flash-over or full combustion occurs 8 minutes after a fire starts.
- A residential structure is 100% engulfed in flames at 16 minutes.

Annual Civilian Deaths and Injuries per 1,000 Fires



National Fire Protection Association Data 2008



- **Brain damage or death starts at 4 to 6 minutes without oxygen.**
- **The chance of survival drops 7 to 10% with each minute a patient goes without oxygen.**

When Seconds Count



If a patient has been in cardiac arrest for longer than 10 minutes before EMTs arrive, few attempts at resuscitation are successful.

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“For cardiac arrest, seconds can be the difference between survival or death. The chance of survival increases by 10% for every minute shaved from response time.”

Mickey Eisenberg, MD

Medical Director, King County EMS

Harborview Trauma Center

When Seconds Count

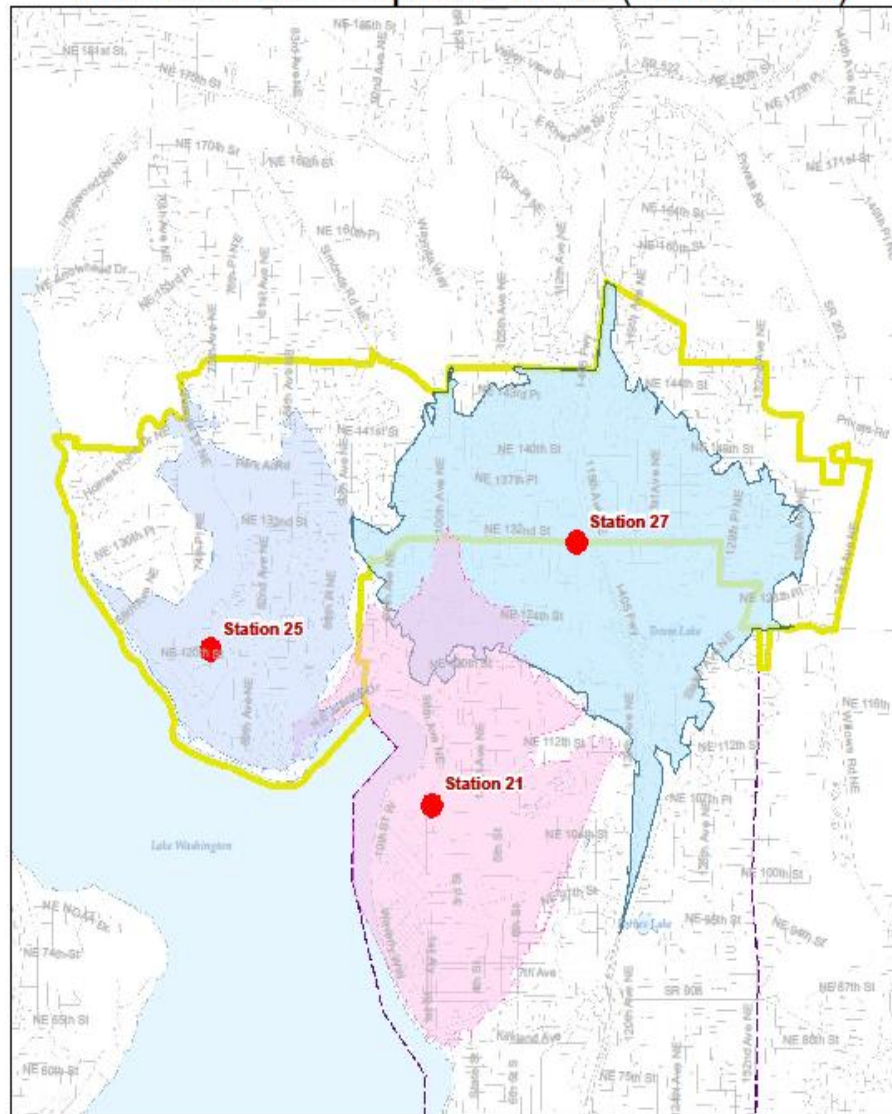
“We already have an excellent survival rate for cardiac arrest but if the fire department can arrive quicker, there will be even more lives saved.”

*Mickey Eisenberg, MD
Medical Director, King County EMS
Harborview Trauma Center*

Standard of coverage for response to
emergency medical calls from
current station 25 location

5 minutes

EMS 5 Minute Response Times (Generalized)



Legend

- Fire Stations
- PAA Boundary
- City of Kirkland Boundary
- Streets
- Lakes

0 0.3 0.6 1.2 Miles



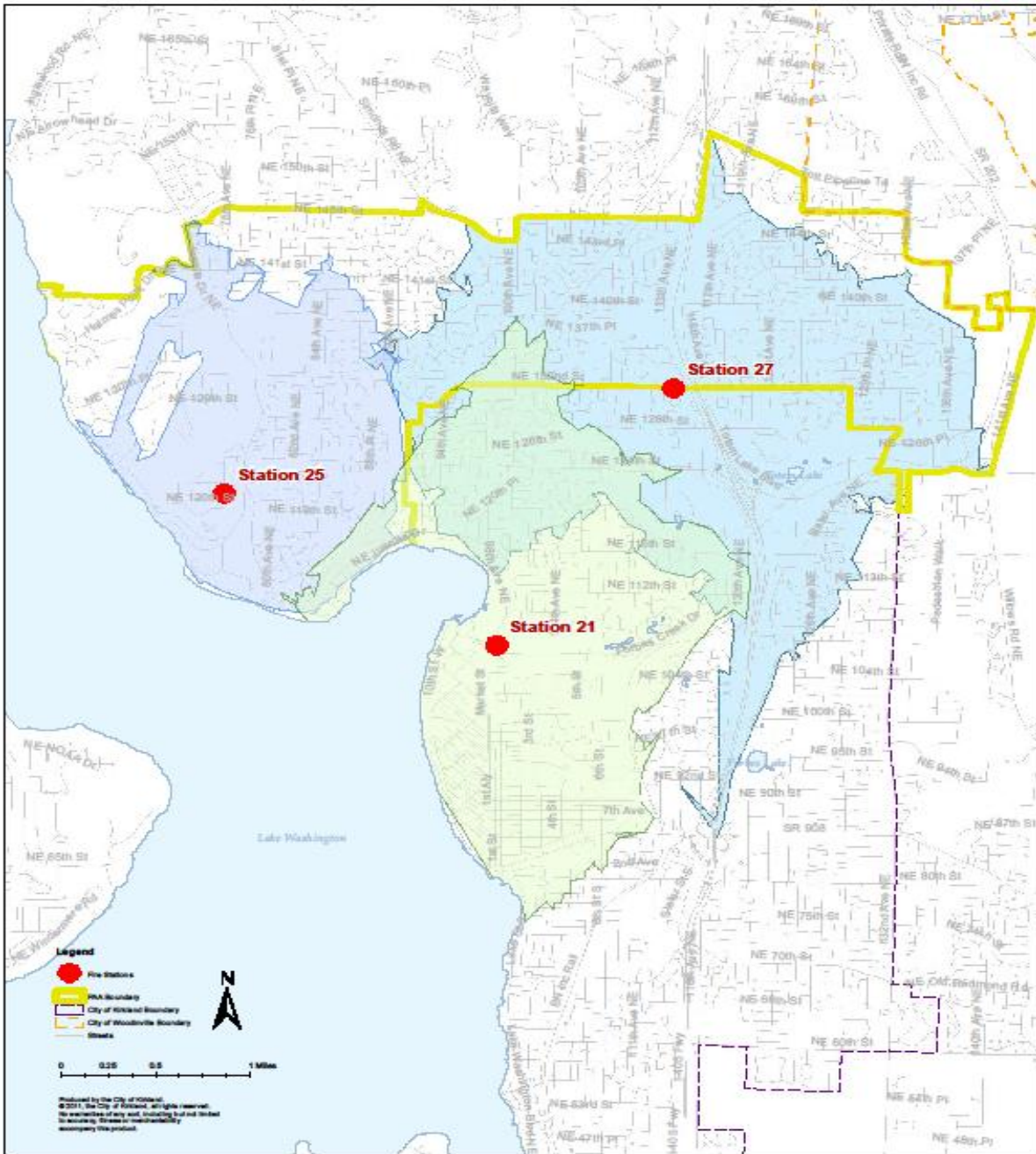
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Standard of coverage for response to
fire calls from current
station 25 location

5.5 minutes

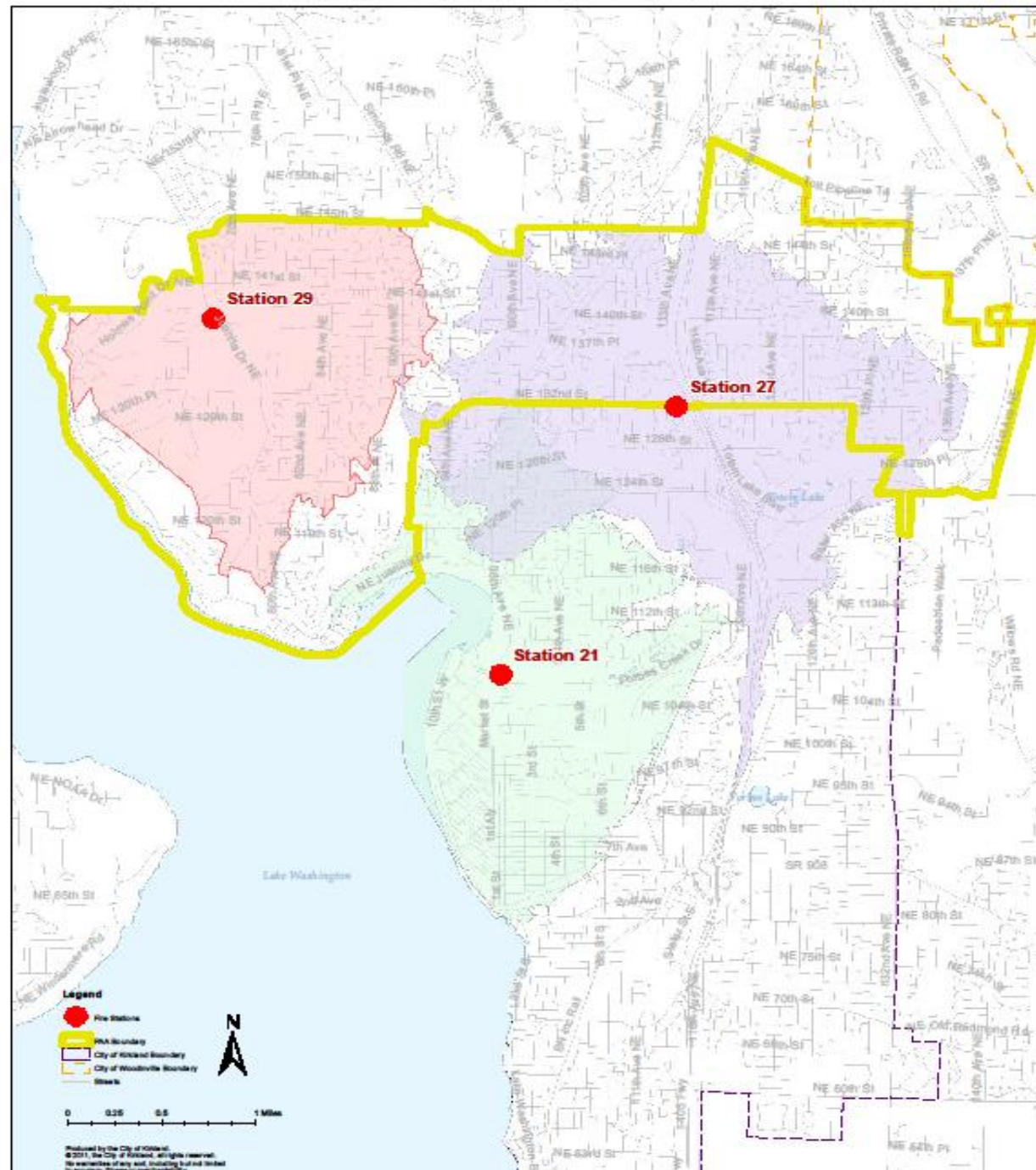
Fire 5.5 Minute Response Times (Generalized)



Standard of coverage for response to
emergency medical calls
at the proposed
Big Finn Hill Park location

5 minutes

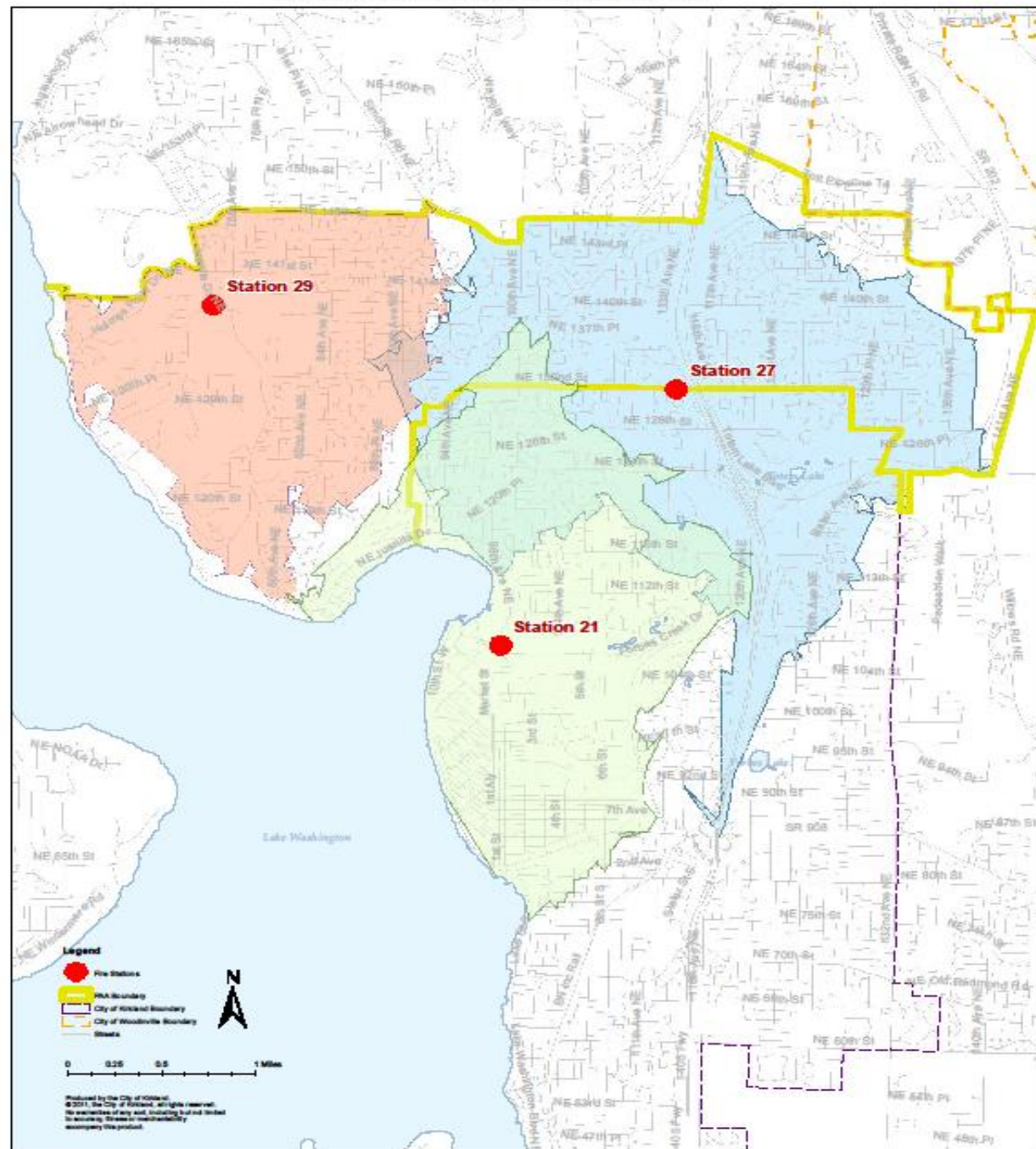
EMS 5 Minute Response Times (Generalized)



Standard of coverage for response to
fire calls at the proposed
Big Finn Hill Park location

5.5 minutes

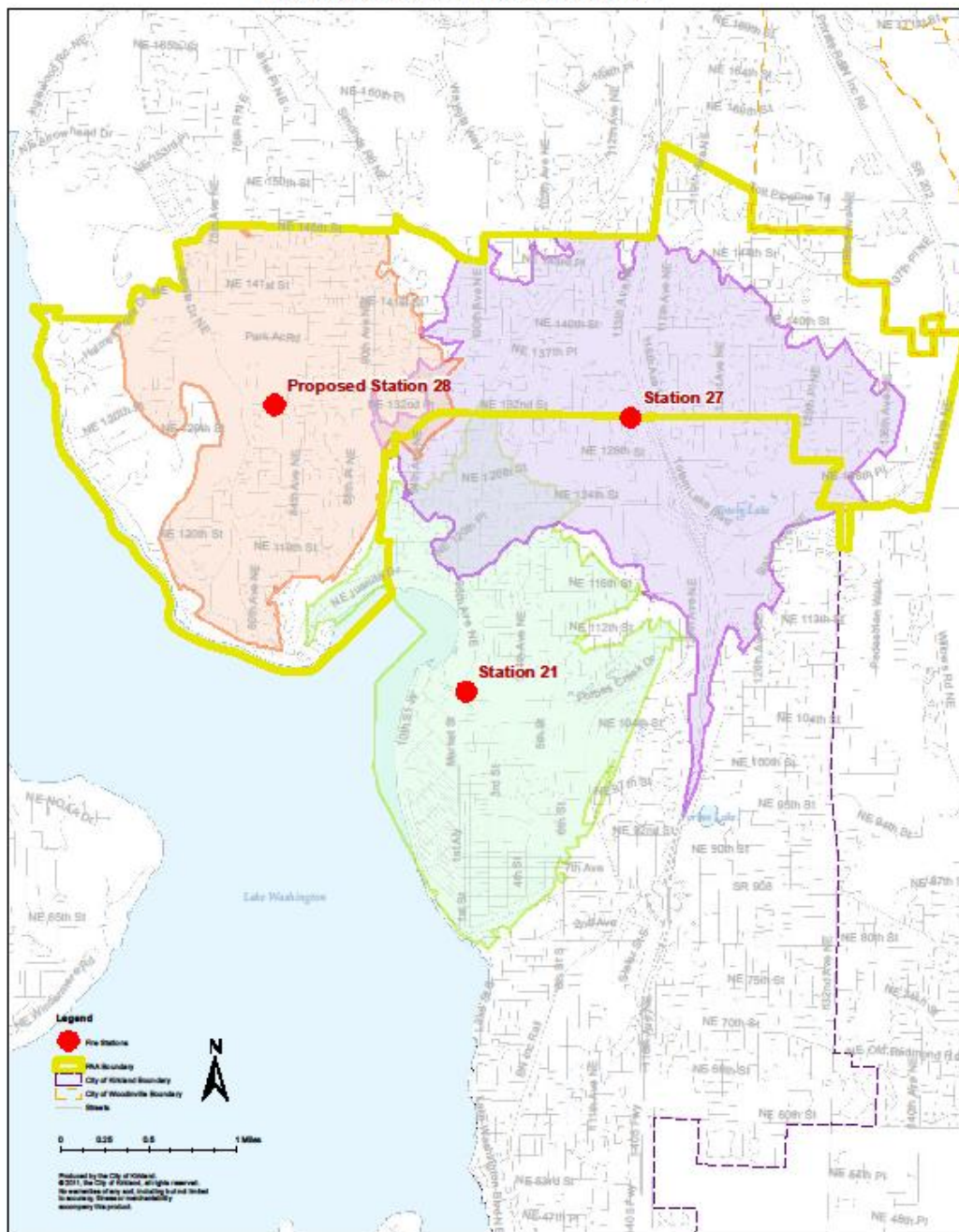
Fire 5.5 Minute Response Times (Generalized)



Standard of coverage for response to
emergency medical calls at the proposed
Finn Hill Junior High School location

5 minutes

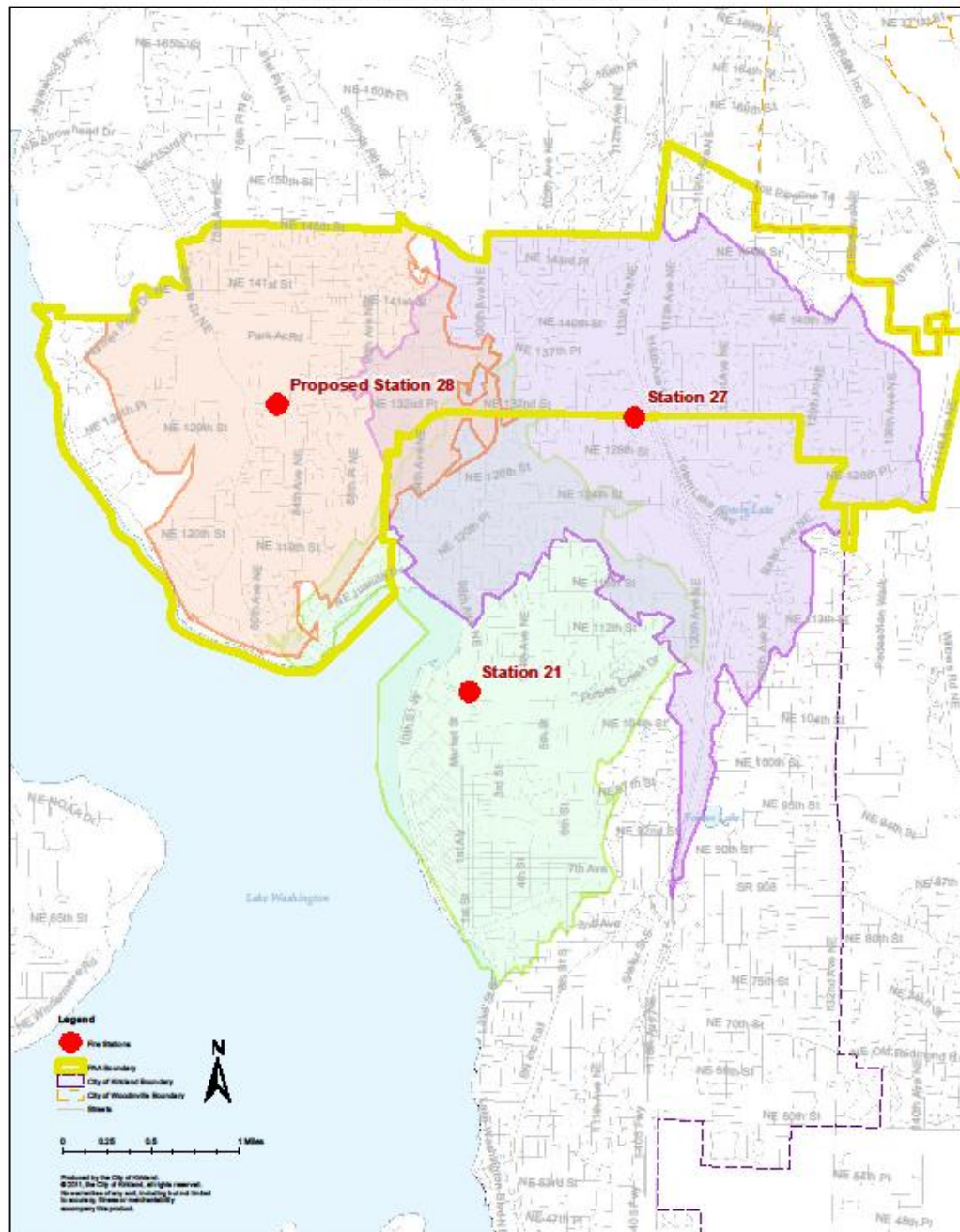
EMS 5 Minute Response Times (Generalized)



Standard of coverage for response to
fire calls response at the proposed
Finn Hill Junior High School location

5.5 minutes

Fire 5.5 Minute Response Times (Generalized)



Fire District 41 Commissioners continue
their review of possible site locations
for a new fire station.

The public process is being extended.

Please visit our website for updated
information.

www.kirklandwa.gov/fd41